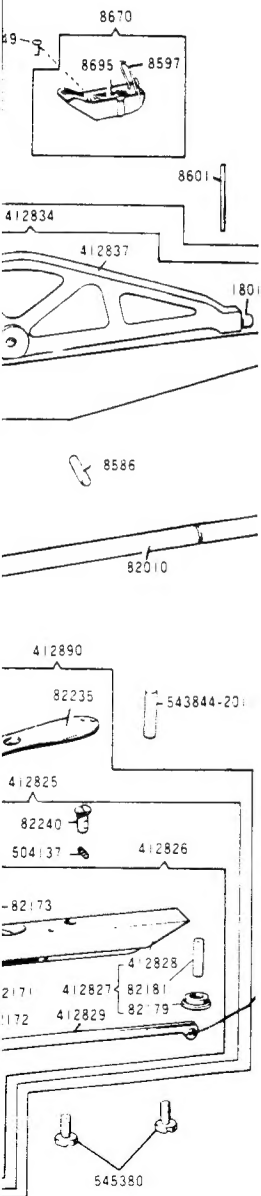


MACHINE PARTS CHART for

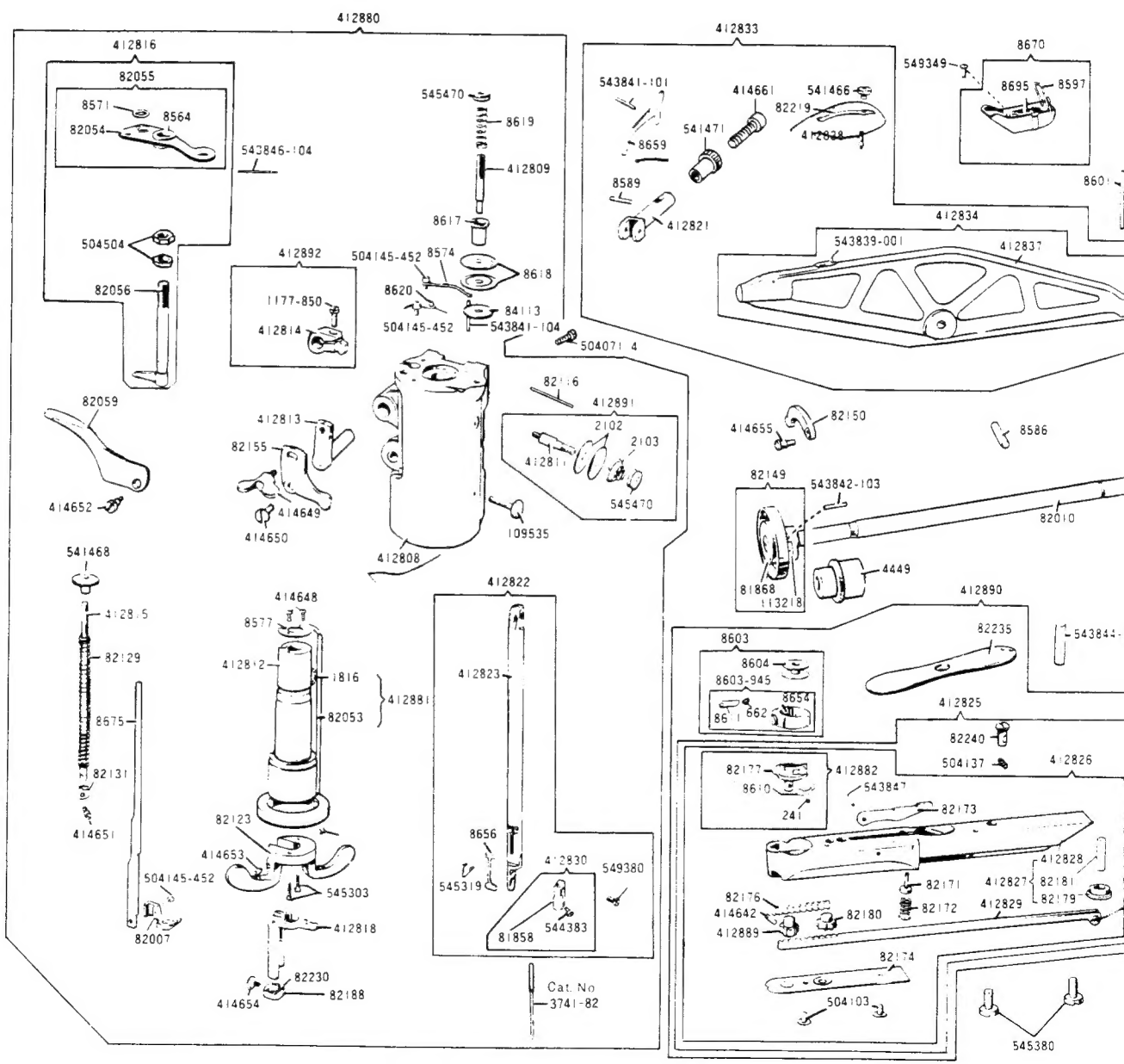
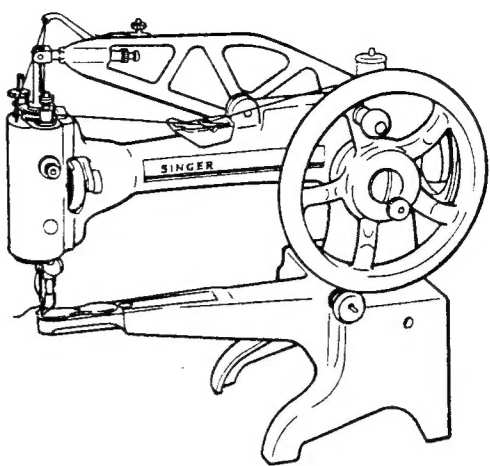
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29U 171A
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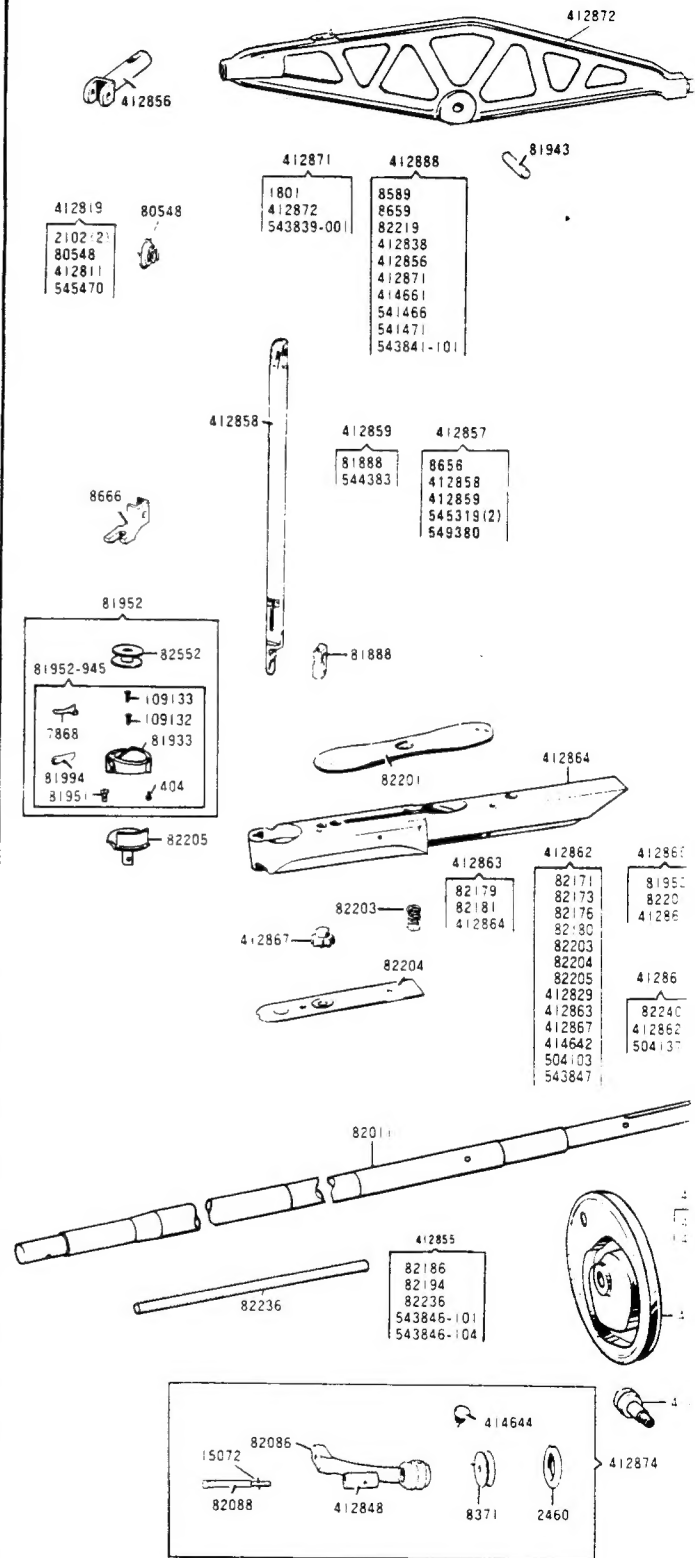
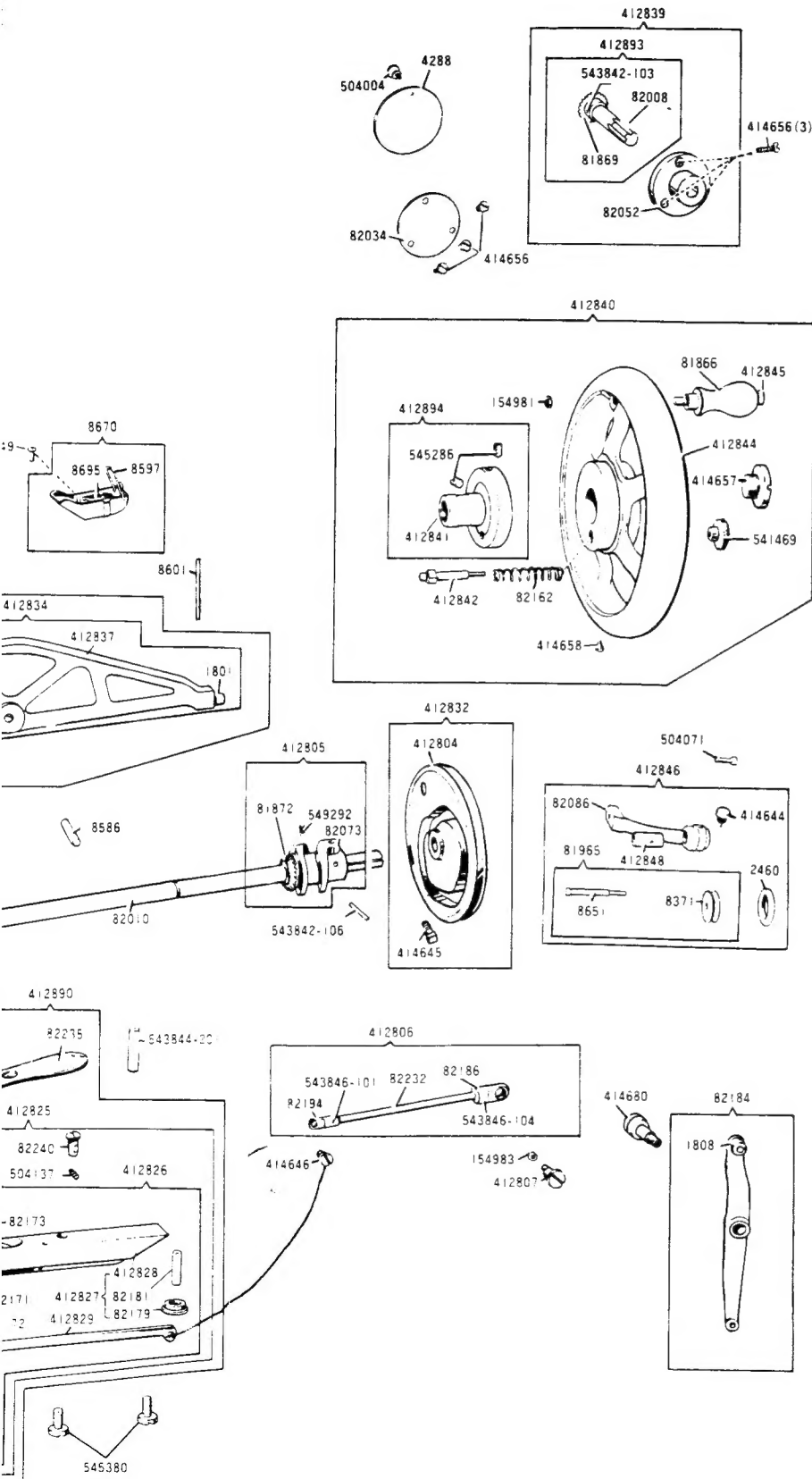


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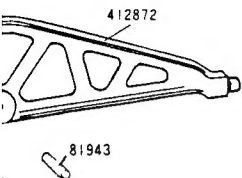
29 U 171A
172A
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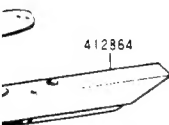
M/C. 29U172A PARTS WHICH DIFFER FROM M/C. 29U171



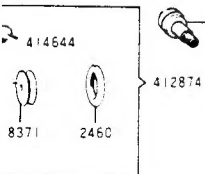
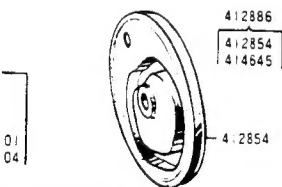
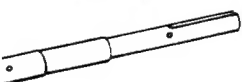
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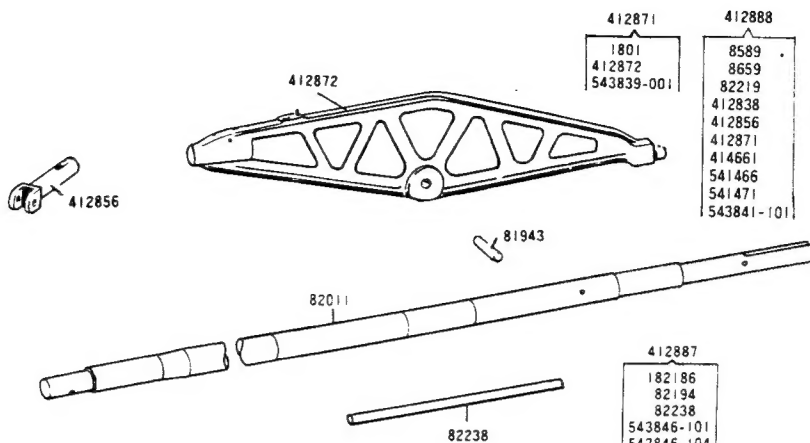
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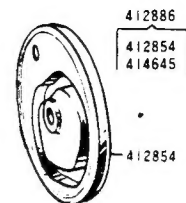
412863	412862	412865
82179	82171	81952
82181	82173	82201
82186	82176	412861
82203	82204	
82205	82206	
412829	82240	
412863	412862	
412867	504137	
414642		
504103		
543847		



M/C. 29U173A PARTS WHICH DIFFER FROM M/C. 29U171A

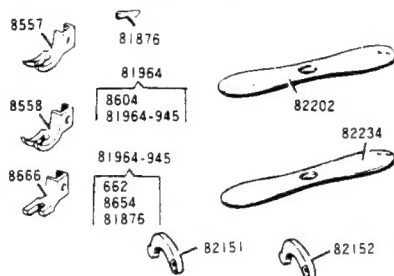


412871	412888
1801	8589
412872	8659
543839-001	82219
	412838
	412856
	412871
	414661
	541466
	541471
	543841-101

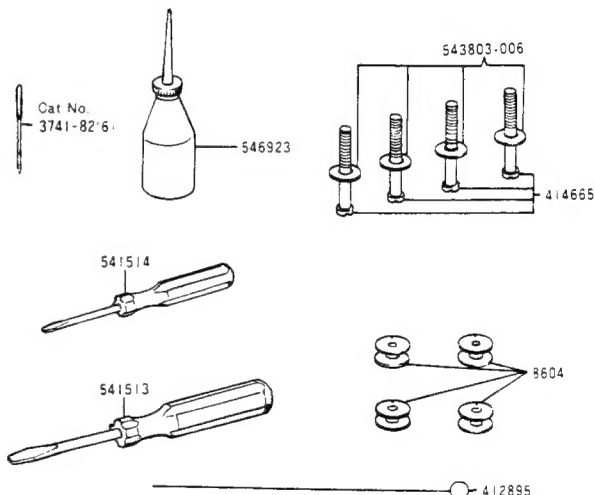


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82194
82238
543846-101
543846-104

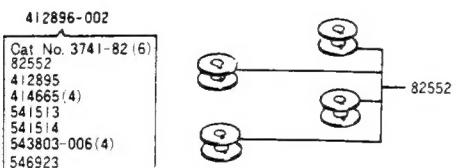
OPTIONAL PARTS



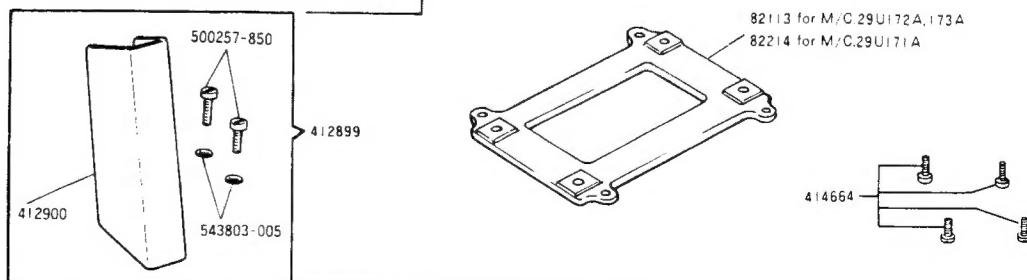
ACCESSORIES FOR M/C. 29U171A & 29U173A P.N. 412896-001



ACCESSORIES FOR M/C. 29U172A P.N. 412896-002



OPTIONAL ACCESSORIES



NUMERICAL LIST OF PARTS FOR POUNDING MACHINE

Part No.	Description	Part No.	Description
241	Shuttle Carrier Spring Screw	82173	Needle Plate Releasing Lever
662	Shuttle Tension Regulating Screw	82174	Pinion Cover Plate
1177-350	Vibrating Presser Lifting Lever Shaft	82176	Back (Short)
	Lever Clamping Screw	82177	Shuttle Carrier
1801	Needle Bar Driving Lever Cam Foller and Stud	82179	Shuttle Carrier Driving Pinion Bushing
1808	Shuttle Driving Cam Roller and Stud	82180	Shuttle Carrier Following Pinion
1816	Feed Motion Ring Slide Bar Roller and Stud	82181	Shuttle Carrier Following Pinion Stud
2102	Tension (Side) Disc (2)	82184	Shuttle Driving Lever with 1808
2103	Tension (Side) Spring	82186	Shuttle Driving Lever Connecting Rod End (Back)
2460	Bobbin Winder Spindle Pulley Rubber Ring	82188	Stitch Regulator
4288	Arm Side Cover (Back)	82194	Shuttle Driving Lever Connecting Rod End (Front)
4449	Shaft Bushing	82219	Check Lever Tension Spring
8371	Bobbin Winder Spindle Pulley	82230	Stitch Regulator Gib
8564	Foot Bar Revolving Joint	82232	Shuttle Driving Lever Connecting Rod
8571	Foot Bar Revolving Joint Washer	82235	Needle Plate (Fine and Medium Needle Holes)
8574	Head Revolving Bushing Friction Spring	82240	Needle Plate Hinge Pin
8577	Head Revolving Bush Supporting Washer	84113	Tension (Top) Disc Washer (Leather)
8580	Needle Bar Driving Lever Joint Pin	109535	Head Revolving Bush Stop Thumb Screw
8584	Needle Bar Piston Joint Pin	113218	Vibrating Presser Roller
8587	Oil Cup Spring	154981	Hand Wheel Handle Spindle Nut
8601	Spool Pin	154983	Shuttle Driving Lever Eccentric Stud Nut
8603	Shuttle and Bobbin Complete 8603-945, 8604	412801	Needle Bar Cam and Pulley Wheel
8603-345	Shuttle Complete 8603, 8611, 8654	412805	Shuttle Driving Cam and Gear Complete 8177, 82173, 84300
8604	Shuttle Bobbin	412806	Shuttle Driving Lever Connecting Rod Complete 82186, 82194, 82232, 543846-101, 543846-104
8610	Shuttle Carrier Spring	412807	Shuttle Driving Lever Eccentric Stud
8611	Shuttle Tension Spring	412808	Head of Machine
8617	Tension (Top) Cup (Release)	412809	Tension (Top) Adjusting Stud
8618	Tension (Top) Disc (2)	412810	Tension (Side) Adjusting Stud Complete (for Agent) 412811, 543470
8619	Tension (Top) Spring	412811	Tension (Side) Adjusting Stud
8620	Thread Eyelete (Head of Arm)	412812	Head Revolving Bush
8631	Bobbin Winder Spindle	412813	Vibrating Presser Lifting Lever Shaft
8634	Shuttle Body	412814	Vibrating Presser Lifting Lever Shaft Lever
8656	Needle Bar Thread Tension Spring	412815	Vibrating Presser Spring Bar
8659	Check Lever	412816	Foot Bar Revolving Joint Complete 82055, 82056, 504504 (2)
8670	Oil Cup with 8670, 8671	412818	Feed Motion Bell Crank Lever
8675	Foot Bar	412821	Needle Bar Piston Joint
8695	Oil Cup Oil Pad (Felt)	412822	Needle Bar Complete 8656, 412823, 412824, 543847 (2), 543848
81358	Needle Bar Clamp	412823	Needle Bar
81366	Hand Wheel Handle	412825	Shuttle Driving Gear Box 412826 with 82173 & 82174
81363	Vibrating Presser Roller Pin	412826	Shuttle Driving Gear Box Complete 82171, 82172, 82173, 82174, 82175, 82176, 412827, 412828, 412829, 412830, 412831, 504103 (2), 543847
81369	Hand Wheel Shaft Gear	412827	Shuttle Driving Gear Box 412828 with 82173 & 82174
81372	Shuttle Driving Cam Gear	412828	Shuttle Driving Gear Box
81365	Bobbin Winder Spindle Complete (8371 & 8651) for Agent	412829	Back (Long)
82007	Feeding Foot	412830	Needle Bar Clamp Complete 81358, 543848
82008	Hand Wheel Shaft	412831	Shuttle Driving Gear Box 412832 with 82173 & 82174 for Agent
82010	Shaft (Short)	412832	Needle Bar Cam and Pulley Wheel with 412833
82034	Arm Side Cover (Front)	412833	Needle Bar Driving Lever Complete 8580, 8659, 82219, 412821, 412822, 412823, 412824, 543846, 543847, 543848, 543849
82032	Hand Wheel Hub	412834	Needle Bar Driving Lever (Body) Complete 1001, 412837, 543849-001
82033	Feed Motion Ring Slide Bar	412837	Needle Bar Driving Lever (Body)
82034	Foot Bar Revolving Joint Bearings	412838	Check Lever Tension Stud
82055	Foot Bar Revolving Joint Bearings Complete 8564, 8671, 82054	412839	Hand Wheel Hub Complete 80052, 412839
82056	Foot Bar Revolving Joint Slide Rod		
82059	Lifter		
82073	Shuttle Driving Cam		
82086	Bobbin Winder Frame		
82116	Tension (Side) Thread Guide Pin		
82123	Head Revolving Bush Guide		
82129	Vibrating Presser Spring		
82131	Vibrating Presser Spring Bar Collar		
82149	Feed Motion Cam Wheel with 81363, 113218		
82150	Vibrating Presser Lifting Lever (for Medium Work)		
82155	Vibrating Presser Lifting Lever Shaft Adjusting Lever		
82171	Hand Wheel Stop Motion Plunger Spring		
82171	Needle Plate Locating Plunger		
82172	Needle Plate Locating Plunger Spring		

Part No.	Description
412840	Hand Wheel and Stop Motion Complete 31865, 32162, 154951, 412842, 412844, 412845, 412894, 41-557, 414658, 541469
Lever	
412841	Hand Wheel Stop Motion Flanged Bushing
412842	Hand Wheel Stop Motion Plunger
412844	Hand Wheel
412845	Hand Wheel Handle Spindle
412846	Bobbin Winder Complete 2400, 3511, 3691, 82086, 412848, 414644
412848	Bobbin Winder Eccentric
412880	Head of Machine Complete 8574, 8577, 8617, 8618 (2), 8619, 8620, 8675, 82007, 82059, 82116, 82123, 82129, 82131, 82155, 82188, 82230, 84113, 109535, 412808, 412809, 412812, 412813, 412815, 412816, 412818, 412822, 412881, 412891, 412892, 414648 (2), 414649, 414650, 414651, 414652, 414653, 414654, 504145-452 (3), 541468, 5-3842-104, 543846-104, 545303 (2), 545470
Connecting Rod	
412881	Feed Motion Ring Slide Bar Complete 1816, 32053
412882	Shuttle Carrier Complete 341, 3610, 32177
412889	Shuttle Carrier Driving Pinion
412890	Shuttle Driving Gear Box Complete 3603, 82235, 412825
412891	Tension (Side) Adjusting Stud Complete 2102 (2), 2103, 412811, 545470
412892	Vibrating Presser Lifting Lever Shaft Lever Complete 1177-350, 412814
412893	Hand Wheel Shaft Complete 31869, 82008, 543842-103
412894	Hand Wheel Stop Motion Flanged Bushing Complete 412841, 545286
414643	Shuttle Carrier Driving Pinion Screw
414644	Bobbin Winder Eccentric Thumb Screw
414645	Needle Bar Cam and Pulley Wheel Set Screw
414646	Shuttle Driving Lever Connecting Rod Hinge Screw
414648	Head Revolving Bush Supporting Washer Screw (2)
414649	Vibrating Presser Lifting Lever Shaft Adjusting Lever Clamping Screw
414650	Vibrating Presser Lifting Lever Shaft Adjusting Lever Hinge Screw
414651	Vibrating Presser Spring Bar Collar Screw
414652	Lifter Hinge Screw
414653	Feed Motion Bell Crank Lever Joint Screw (2)
414654	Stitch Regulator Thumb Screw
414655	Vibration Presser Lifting Lever Screw
414656	Arm Side Cover (Front) Screw (3)
414656	Hand Wheel Hub Screw (3)
414657	Hand Wheel Retaining Screw
414658	Hand Wheel Stop Motion Plunger Stop Screw
414659	Check Lever Thread Take-up Adjusting Screw
414680	Shuttle Driving Lever Bearing Screw
504070	Arm Side Cover (Back) Thumb Screw
504071	Head Binding Screw (4)
504071	Bobbin Winder Frame Screw
504103	Pinion Cover Plate Screw (2)
504137	Needle Plate Hinge Pin Binding Screw
504145-452	Thread Eyelet Screw
504145-452	Head Revolving Bush Friction Spring Screw
504145-452	Feeding Foot Screw
504504	Foot Bar Revolving Joint Slide Rod Lock Nut (Upper)
504504	Foot Bar Revolving Joint Slide Rod Lock Nut (Lower)

Part No.	Description
5-1466	Check Lever Tension Stud Nut
5-1468	Vibrating Presser Spring Bar Adjusting Nut
541469	Hand Wheel Stop Motion Plunger Thumb Nut
541471	Check Lever Thread Take-up Adjusting Screw Lock Nut
543839-001	Check Lever Spring Steady Pin
543841-104	Check Lever Joint Pin
543842-103	Head Revolving Bush Friction Spring Pin
543842-103	Feed Motion Cam Wheel Pin
543842-106	Hand Wheel Shaft Gear Pin
543842-106	Needle Bar Cam and Pulley Wheel Pin
543844-201	Shuttle Driving Cam Gear Pin
543846-101	Shuttle Driving Gear Box Position Pin
543846-104	Shuttle Driving Lever Connecting Rod End Pin (Front)
543846-104	Shuttle Driving Lever Connecting Rod End Pin (Back)
543847	Foot Bar Revolving Joint Hinge Pin
544383	Needle Plate Releasing Lever Hinge Pin
545286	Needle Bar Needle Clamping Screw
545303	Hand Wheel Stop Motion Flanged Bush Binding Screw (3)
545319	Head Revolving Bush Handle Screw (2)
545380	Needle Bar Thread Tension Spring Screw (2)
545470	Shuttle Driving Gear Box Screw (2)
545470	Tension (Top) Adjusting Stud Thumb Nut
545470	Tension (Side) Adjusting Stud Thumb Nut
545492	Shuttle Driving Cam Gear Set Screw
545492	Oil Cup Screw
545380	Needle Bar Clamp Screw

SUPPLEMENTARY PARTS LIST FOR 290172A MACHINE
(Same as the complete list for 290172A with the
following exceptions)

PARTS ADDED

404	Shuttle Thread Pull-off Screw
7868	Shuttle Bobbin Retaining Spring
3666	Feeding Foot (for Waxed Thread)
80548	Tension (Side) Spring
81388	Needle Bar Clamp
81943	Needle Bar Driving Lever Joint Pin
81951	Shuttle Thread Pull-off
81952	Shuttle and Bobbin Complete 81950-945, 82552
81952-945	Shuttle Complete 404, 7868, 81951, 81993, 81994, 109132, 109133
81993	Shuttle Body
81994	Shuttle Tension Spring
32011	Shaft (Lower)
82088	Bobbin Winder Spindle with 15072
92089	Bobbin Winder Spindle Complete (3371 & 32088) for Arent
82201	Needle Plate (Fine and Medium Needle Holes)
32203	Needle Plate Locating Plunger Spring
32204	Pinion Cover Plate
32205	Shuttle Carrier
32206	Shuttle Driving Lever Connecting Rod
32552	Shuttle Bobbin
109132	Shuttle Tension Regulating Screw
109133	Shuttle Bobbin Retaining Spring Screw
412812	Tension (Side) Adjusting Stud Complete 2102 (2), 2103, 412811, 545470
412854	Needle Bar Cam and Pulley Wheel
412855	Shuttle Driving Lever Connecting Rod Complete 32136, 32194, 82236, 543846- 101, 543846-104
41-330	Needle Bar Hinge Joint

	Part No.	Description	Part No.	Description
ting	412857	Needle Bar Complete 8656, 412858, 412859, 545319 (2), 549380	412822	Needle Bar Complete 8656, 412823, 412830, 545319 (2), 549380
mb Nut	412858	Needle Bar	412823	Needle Bar
ng	412859	Needle Bar Clamp Complete 81888, 544383	412825	Shuttle Driving Gear Box 412826 with 82240 & 504137
	412861	Shuttle Driving Gear Box 412862 with 82240 & 504137	412826	Shuttle Driving Gear Box Complete 82171, 82172, 82173, 82174, 82176, 82180, 412827, 412829, 412882, 412889, 414642, 504103 (2), 543847
g Pin	412862	Shuttle Driving Gear Box Complete 82171, 82173, 82176, 82180, 82203, 82204, 82205, 412829, 412863, 412867, 414642, 504103 (2), 543847	412827	Shuttle Driving Gear Box 412828 with 82179 & 82181
n	412863	Shuttle Driving Gear Box 412864 with 82179 & 82181	412828	Shuttle Driving Gear Box
Pin	412864	Shuttle Driving Gear Box	412830	Needle Bar Clamp Complete 81858, 544383
Pod	412865	Shuttle Driving Gear Box Complete 82201, 81952, 412861	412831	Shuttle Driving Gear Box 412827 with 82240 & 504137
Pod	412866	Shuttle Driving Gear Box 412863 with 82240 & 504137	412832	Needle Bar Cam and Pulley Wheel with 414645
	412867	Shuttle Carrier Driving Pinion	412833	Needle Bar Driving Lever Complete 8589, 8659, 82219, 412821, 412834, 412838, 414661, 541466, 541471, 543841-101
	412871	Needle Bar Driving Lever (Body) Complete 1801, 414872, 543839-001	412834	Needle Bar Driving Lever (Body) Complete 1801, 412837, 543839-001
	412872	Needle Bar Driving Lever (Body)	412837	Needle Bar Driving Lever (Body)
	412874	Bobbin Winder Complete 2460, 8371, 15072, 82086, 82088, 82089, 412848, 414644	412846	Bobbin Winder Complete 2460, 8371, 8651, 82086, 412848, 414644
(2)	412879	Head of Machine Complete 8574, 8577, 8617, 8618 (2), 8619, 8620, 8666, 8675, 82059, 82116, 82123, 82129, 82131, 82155, 82188, 82230, 84113, 109535, 412808, 412809, 412812, 412813, 412815, 412816, 412818, 412819, 412857, 412881, 412892, 414643 (2), 414649, 414650, 414651, 414652, 414653, 414654, 504145-452 (3), 541468, 543841-004, 543846-104, 545303 (2), 545470	412880	Head of Machine Complete 8574, 8577, 8617, 8618 (2), 8619, 8620, 8675, 82007, 82059, 82116, 82123, 82129, 82131, 82155, 82188, 82230, 84113, 109535, 412808, 412809, 412812, 412813, 412815, 412816, 412818, 412822, 412891, 412892, 414643 (2), 414649, 414650, 414651, 414652, 414653, 414654, 504145-452 (3), 541468, 543841-004, 543846-104, 545303 (2), 545470
Screw	412886	Needle Bar Cam and Pulley Wheel with 414645	412882	Shuttle Carrier Complete 241, 8610, 82177
	412888	Needle Bar Driving Lever Complete 8589, 8659, 82219, 412838, 412856, 412871, 414661, 541466, 541471, 543841-101	412889	Shuttle Carrier Driving Pinion
	414640	Shuttle Driving Lever Bearing Screw	412890	Shuttle Driving Gear Box Complete 8603, 82235, 412825
			412891	Tension (Side) Adjusting Stud Complete 2102 (2), 2103, 412811, 545470
			414630	Shuttle Driving Lever Bearing Screw

PARTS REMOVED

n	241	Shuttle Carrier Spring Screw
-945,	662	Shuttle Tension Regulating Screw
	8173	Tension (Side) Spring
	8586	Needle Bar Driving Lever Joint Pin
	8603	Shuttle and Bobbin Complete 8603-945, 8604
	8603-945	Shuttle Complete 662, 8611, 8654
	8604	Shuttle Bobbin
	8610	Shuttle Carrier Spring
	8611	Shuttle Tension Spring
	8651	Bobbin Winder Spindle
dle	8654	Shuttle Body
ing	81378	Needle Bar Clamp
	81965	Bobbin Winder Spindle Complete (8371 & 8651) for Agent
	82207	Feeding Foot
Rod	82010	Shaft (Short)
	82172	Needle Plate Locating Plunger Spring
	82174	Pinion Cover Plate
screw	82177	Shuttle Carrier
plate	82178	Shuttle Driving Lever Connecting Rod
	82235	Needle Plate (Fine and Medium Needle Holes)
Rod	412844	Needle Bar Cam and Pulley Wheel
43846-	412886	Shuttle Driving Lever Connecting Rod Complete 82186, 82194, 82236, 543846-101, 543846-104
	412881	Needle Bar Piston Joint

SUPPLEMENTARY PARTS LIST FOR 29U173A MACHINE

(Same as the complete list for 29U171A with the following exceptions)

PARTS ADDED

81924	Needle Bar Driving Lever Joint Pin
82011	Shaft (Long)
82238	Shuttle Driving Lever Connecting Rod
412894	Needle Bar Cam and Pulley Wheel
412856	Needle Bar Piston Joint
412871	Needle Bar Driving Lever (Body) Complete 1801, 412872, 543839-001
412872	Needle Bar Driving Lever (Body)
412886	Needle Bar Cam and Pulley Wheel with 414645
412887	Shuttle Driving Lever Connecting Rod Complete 82186, 82194, 82236, 543846-101, 543846-104
412888	Needle Bar Driving Lever Complete 8589, 8659, 82219, 412838, 412856, 412871, 414661, 541466, 541471, 543841-101
414640	Shuttle Driving Lever Bearing Screw

Part No.	Description	Part No.	Description
<u>PARTS REMOVED</u>		<u>OPTIONAL ACCESSORIES</u>	
Lever	8586 Needle Bar Driving Lever Joint Pin	82113	Machine Base (for 29U172A, 173A M/C)
	82010 Shaft (Short)	82214	Machine Base (for 29U171A M/C)
	82232 Shuttle Driving Lever Connecting Rod	412899	Belt Guard Complete 412900, 500257-850 (2), 543803-005 (2)
	412804 Needle Bar Cam and Pulley Wheel	412900	Belt Guard
Pinion F	412806 Shuttle Driving Lever Connecting Rod Complete 82186, 82194, 82232, 543846- 101, 543846-104	414664	Machine Screw (for Fastening Base to Machine) (4)
ing Pinion	412821 Needle Bar Piston Joint	500257-850	Belt Guard Screw (2)
with 1808	412832 Needle Bar Cam and Pulley Wheel with 414645	543803-005	Belt Guard Washer (2)
Connecting	412833 Needle Bar Driving Lever Complete 8589, 8659, 82219, 412821, 412834, 412838, 414661, 541466, 541471, 543841-101		
Connecting	412834 Needle Bar Driving Lever (Body) Complete 1801, 412837, 543839-001		
Pin	412837 Needle Bar Driving Lever (Body)		
Connecting	414680 Shuttle Driving Lever Bearing Screw		
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82174, 82
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543847
ox 412828

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2821, 412
86, 541471

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82052, 4

OPTIONAL PARTS

662	Shuttle Tension Regulating Screw
8557	Feeding Foot (Narrow Fork, Fine)
8558	Feeding Foot (Narrow Fork, Coarse)
8604	Shuttle Bobbin
8654	Shuttle Body
8666	Feeding Foot (for Waxed Thread)
81886	Shuttle Tension Spring (Heavy) (for 29U171A, 173A M/C)
81964	Shuttle and Bobbin Complete (for Heavy Work) (for 29U171A, 173A M/C)
81064-945	Shuttle Complete (for Heavy Work)
82151	Vibrating Presser Lifting Lever (for Light Work)
82152	Vibrating Presser Lifting Lever (for Heavy Work)
82202	Needle Plate (Medium and Coarse Needle Holes) (for 29U172A M/C)
82234	Needle Plate (Medium and Coarse Needle Holes) (for 29U171A, 173A M/C)

ACCESSORIES FOR 29U171A AND 29U173A MACHINES

Cat.No.	Needle (29 X 4) #18 (6)
3741-82	
8604	Shuttle Bobbin (for #8603-945) (for 29U171A, 173A M/C) (4)
412895	Needle Bar Threading Wire
412896-001	Accessories (for 29U171 & 173 M/C)
414665	Machine Screw (for Fastening Machine to Power Table) (4)
541513	Screw Driver (Large)
541514	Screw Driver (Small)
543803-006	Machine Screw Washer (4)
546923	Oil (Filled with 130 cc Singer Type "B" Oil)

ACCESSORIES FOR 29U172A MACHINE

Cat.No.	Needle (29 X 4) #18 (6)
3741-82	
82552	Shuttle Bobbin (for #81952) (for 29U172A M/C) (4)
412895	Needle Bar Threading Wire
412896-002	Accessories (for 29U172A M/C)
414665	Machine Screw (for Fastening Machine to Power Table) (4)
541513	Screw Driver (Large)
541514	Screw Driver (Small)
543803-006	Machine Screw Washer (4)
546923	Oil (Filled with 130 cc Singer Type "B" Oil)